19. Explicate the significance of Dynamic Host Configuration Protocol.

20. Elucidate the working principles of Wireless Application Protocol Model.

APRIL/MAY 2025

CECA64C— MOBILE COMPUTING

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the applications of Mobile Communication?

2. Write some examples of Wireless Devices.

3. Specify the advantages and disadvantages of TDMA.

4. Differentiate between Symmetrical and Asymmetrical Communication Systems.

5. Write the main advantages of Infra-red Technology.

6. Define Scatternet.

Shanmuga Industries Arts & Science College T.V.Malai

7. Mention the Adaptive Metrics of Ad-hoc Networks.

8. What is called Reverse Tunneling?

9. List down the Limitations of Wireless Network.

10. Define the term Wireless Application Protocol.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a brief note on Space division multiplexing and Time division multiplexing Techniques.

Or

(b) Briefly discuss on Signal Propagation in Wired and Wireless Transmission.

12. (a) Analyze about the Carrier Sense Multiple Access Scheme.

Or

(b) Outline the concept of Digital Video Broadcasting Technique.

Shanmuga Industries Arts & Science College T.V.Malai

13. (a) Exhibit the advantages and disadvantages of WLANs.

Or

(b) Illustrate the Protocol Architecture of IEEE 802.11.

14. (a) Explicate the ways of Registration in Mobile IP.

Or

(b) Briefly describe the concept of Dynamic Source Routing.

15. (a) Illustrate the WML Application Architecture.

Or

(b) Narrate the features of Wireless Telephony.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Expound the various Digital Modulation Schemes.

17. Discuss in detail about the Satellite Systems.

18. Illustrate the Architecture and User Scenarios of Bluetooth Technology.